



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov



Bib Data Sheet

CONFIRMATION NO. 4880

SERIAL NUMBER 10/823,673	FILING DATE 04/14/2004  RULE	CLASS 359	GROUP ART UNIT 2872	ATTORNEY DOCKET NO. 2004-0540A
-----------------------------	---------------------------------------	--------------	------------------------	--------------------------------------

APPLICANTS

Toshiyasu Tanaka, Osaka-shi, JAPAN;  
 Yoshiaki Komma, Hirakata-shi, JAPAN;  
 Kousei Sano, Osaka-shi, JAPAN;

\*\* CONTINUING DATA \*\*\*\*\*  
*none LB*

\*\* FOREIGN APPLICATIONS \*\*\*\*\*  
 JAPAN P2003-110098 04/15/2003  
*o.k. LB*

IF REQUIRED, FOREIGN FILING LICENSE GRANTED  
 \*\* 06/28/2004

Foreign Priority claimed 35 USC 119 (a-d) conditions met Verified and Acknowledged	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance <i>LB</i> <i>LB</i> Examiner's Signature Initials	STATE OR COUNTRY JAPAN	SHEETS DRAWING 12	TOTAL CLAIMS 3826	INDEPENDENT CLAIMS 84
--	---	------------------------------	-------------------------	-------------------------	-----------------------------

ADDRESS  
 000513  
 WENDEROTH, LIND & PONACK, L.L.P.  
 2033 K STREET N. W.  
 SUITE 800  
 WASHINGTON, DC  
 20006-1021

TITLE  
 Diffraction element, optical head device including the diffraction element, optical information apparatus including the optical head device, system including the optical information apparatus and method of designing diffraction grating of the diffraction element

FILING FEE	FEES: Authority has been given in Paper	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of
------------	---	---